

### Abstract

A method and apparatus for the steam misting of rectangular nozzles and spinning systems equipped therewith for producing polyamide filaments whereby the steam feed is conducted through a tube loop which is passed through the heating chamber of the spinning beam so that the steam is brought to the spinning temperature. Directly below the spinning beam and thus on the lower edge of the rectangular nozzle stack which is connected thereto, between the spinning beam and the after-heater, steam outlet bars are longitudinally applied. These steam outlet bars are equipped with a simple labyrinth for pressure equalization. The steam inlet is effected initially in each case centrally of the rectangular nozzle stack and transitions into an upwardly open and relatively broad distribution chamber along the rectangular nozzle stack. This vertical distribution chamber transitions into a horizontal and very small gap which is open into the spinning chamber at its mouth. The steam then travels in the direction of the nozzles transversely to the filament curtain. The ends of the rectangular nozzle stack need not be misted with steam.